



Patent  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
HÖPFL et al. ) Group Art Unit: 3736  
Application No.: 09/486,394 ) Examiner: P. Wingood  
Filed: June 20, 2000 )  
For: DIAGNOSTIC KIT FOR SKIN TESTS, )  
AND METHOD )

#18

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

German Patent No. G91 06 105.9;  
EPO No. 0 386 734 issued 09/1990;  
EPO No. 0 451 550 issued 09/1991;  
K. Seedorf, T. Oltersdorf, G. Krämmmer and W. Röwekamp, *Identification of Early Proteins of the Human Papilloma Viruses Type 16 (HPV 16) and Type 18 (HPV 18) in Cervical Carcinoma Cells*, The EMBO Journal vol. 6 no. 1 pp. 139-144, 1987;  
Oltersdorf T., K. Seedorf, W. Rowekamp and L. Gissman, *Identification of Human Papillomavirus Type 16 E7 Protein by Monoclonal Antibodies*, Journal of General Virology 68(Pt 11) pp. 2933-2938, 1987 November (Abstract Only);  
Pamela Hawley-Nelson, Karen H. Vousden, Nancy L. Hubbert, Douglas R. Lowy and John T. Schiller, *HPV16 E6 and E7 proteins cooperate to immortalize Human Foreskin Keratinocytes*, The EMBO Journal vol. 8 no. 12 pp. 3905-3910, 1989;

Ingrid Jochmus-Kudielka, Achim Schneider, Rüdiger Braun, Rainer Kimmig, Ursula Koldovsky, Karl Eduard Schneweis, Klaus Seedorf, Lutz Gissmann, *Antibodies Against the Human Papillomavirus Type 16 Early Proteins in Human Sera: Correlation of Anti-E7 Reactivity With Cervical Cancer*, Journal of the National Cancer Institute, August 31, 1989;

Martin Müller, Heinrich Gausepohl, Guy de Martynoff, Rainer Frank, Robert Brasseur and Lutz Gissman, *Identification of Seroreactive Regions of the Human Papillomavirus Type 16 Proteins E4, E6, E7 and L1*, The Journal of General Virology (1990), 71, 2709-2717 (attached to German Patent No.91 06 105.9); R. Höpfl, M. Sandbichler, N. Sepp, K. Heim, E. Müller-Holzner, B. Wartusch, O. Dapunt, I. Jochmus-Kudielka, J. Ter Meulen, L. Gissmann, P. Fritsch, *Skin Test for HPV Type 16 Proteins in Cervical Intraepithelial Neoplasia*, The Lancet, Vol. 337, page 373, February 9, 1991;

Cornelia S. McLean, Jane S. Sterling, Justine Mowat, Anthony A. Nash and Margaret A. Stanley, *Delayed-type Hypersensitivity Response to the Human Papillomavirus Type 16 E7 Protein in a Mouse Model*, Journal of General Virology (1993), 74, pp. 239-245;

Reinhard M. Höpfl, Neil D. Christensen, Michael G. Angell and John W. Kreider, *Skin Test to Assess Immunity Against Cottontail Rabbit Papillomavirus Antigens in Rabbits with Progressing Papillomas or After Papilloma Regression*, The Society for Investigative Dermatology, Inc., 1993, pp.227-231;

Neil D. Christensen, Reinhard Höpfl, Susan L. DiAngelo, Nancy M. Cladel, Susan D. Patrick, Patricia A. Welsh, Lynn R. Budgeon, Cynthia A. Reed and John W. Kreider, *Assembled Baculovirus-Expressed Human Papillomavirus Type 11 L1 Capsid Protein Virus Like Particles are Recognized by Neutralizing Monoclonal Antibodies and Induce High Titres of Neutralizing Antibodies*, Journal of General Virology (1994), 75, pp. 2271-2276; and

Thesis submitted for the certificated of habilitation of Dr. Höpfl


A fee in the amount of \$180.00 (126) is enclosed in conformance with 37 C.F.R. § 1.97(c).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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